

AGENDA
Inland Wetland Agency
Regular Meeting
Monday, March 1, 2010
Council Chambers, Audrey Beck Building

Call to Order: 7:00 PM

Review of Minutes of Previous Meetings and Action Thereon:

2.01.2010 - Regular Meeting

Communications:

Conservation Commission: There were no referrals
GM monthly business memorandum

Old Business:

Public Hearings:

7:15 PM - W1447 - IWA Regulation Revisions
Current Draft dated 1-21-2010

7:45 PM - W1445(W1419) - Chernushek, add'l gravel removal and constr. haul road
This application has been withdrawn.

New Business:

Administrative Rulings:

W1449 - Juniper Hill - Green improvements to lawns and drainage

Reports of Officers and Committees:

Other Communications and Bills:

2010 Municipal Inland Wetland Commissioners Training Program
ConnDOT notice of N.Eagleville Rd culvert replacement

Adjournment:

PAGE
BREAK

DRAFT MINUTES
MANSFIELD INLAND WETLANDS AGENCY
Regular Meeting
Monday, February 1, 2010
Council Chambers, Audrey P. Beck Municipal Building

Members present: R. Favretti (Chairman), M. Beal, J. Goodwin, R. Hall, K. Holt, P. Plante, B. Pociask,
Members absent: B. Ryan
Alternates present: G. Lewis (7:03 p.m.), Kenneth Rawn, Vera Stearns
Staff present: G. Meitzler (Wetlands Agent)

Chairman Favretti called the meeting to order at 7:01 p.m. Alternates Rawn and Stearns were appointed to act.

Minutes:

1-4-10 - Hall MOVED, Holt seconded, to approve the 1-4-10 minutes as written. MOTION PASSED UNANIMOUSLY. Holt and Beal noted for the record that they listened to the tapes.

Communications:

The 1-20-10 draft Conservation Commission Minutes and the 1-27-10 Wetlands Agent's Monthly Business report were noted.

Old Business:

Informational:

UConn re: DEP application notice - Mirror Lake dredging

Meitzler noted that the Conservation Commission has drafted a letter and received approval from the Town Council to send it to the DEP requesting them to hold a Public Hearing on the project. Meitzler will update the Agency on the status of this project at the next meeting.

Public Hearing:

W1445 - Chernushek - additional gravel removal and construction haul road

Holt MOVED, Beal seconded, that the IWA accept the 65-day extension as requested by Henry Chernushek in a letter dated January 12, 2010, and to set a Public Hearing for March 1, 2010. MOTION PASSED UNANIMOUSLY.

Regulation Revisions:

W1447 - IWA Regulation Revision

Item was tabled pending a 3/1/10 Public Hearing.

New Business: None

Reports of Officers and Committees: None.

Other Communications and Bills: William Okeson submitted an undated letter signed by him and Beverly Sims, and an 11/9/2009 letter from Roger Kellman, P.E., F.A. Hesketh & Associates, Inc, with accompanying data sheet. He expressed concern that no neighboring wells have been monitored during the testing of the Ponde Place well drilling, and he requested that the IWA and staff keep this information on record and to inform him of any new updates. He further stated that they feel the lack of monitoring is a violation of the agreement with Ponde Place who have not been acting in good faith.

Adjournment:

Favretti declared the meeting adjourned at 7:18 p.m.

Respectfully submitted,
Katherine Holt, Secretary

PAGE
BREAK

Memorandum:

February 25, 2009

To: Inland Wetland Agency
From: Grant Meitzler, Inland Wetland Agent
Re: Monthly Business

W1419 - Chernushek - hearing on Order

3.10.09: The hearing on the Order remains open and should continue until the permit application under consideration is acted upon.

(The Order was dropped on approval of the application required in the Order.)

4.30.09: Former rye grass seeding is beginning to show green. I spoke with Mr. Chernushek this afternoon who indicated health problems that delayed his starting but indicated he will be working this weekend. I will update on this Monday evening.

5.26.09: A light cover of grass growth has come in. Mr. Chernushek indicates health problems and two related deaths have delayed his start of work since the permit approval was granted. It appears that some light work has started. He has further indicated that he will start a vacation on June 22, 2009 to finish the work.

6.13.09: Work is underway.

6.21.09: Bulldozer work has been completed - finish work remains. The additional silt fencing has been placed along the northerly wetlands crossing, and the additional pipe under the southerly crossing has been installed. Remaining work includes finish grading along edges, spreading stockpiled topsoil, and establishing grass growth.

7.01.09: I spoke with Mr. Chernushek who indicated he expects work to be completed by September 1, 2009. (Site photo attached).

9.03.09: Mr. Chernushek has been working on levelling and grading. The formerly seeded areas have become fairly thick growth surrounding the central wet areas. He has further indicated that with the combination of weather and the slower moving of earth with the payloader compared to the earlier rented bulldozer has led him to contact contractors for earth moving estimates which have not yet been received. The site is not yet finished but has remained quite stable.

9.12.09: I met with Mr. Chernushek today and discussed again what his plans are for stabilizing this work site.

10.01.09: Mr. Chernushek indicated he has not heard back from the contractor he had spoken with about removing material, and is in progress of contacting others. In discussion is removal of material from the site either within the 100 cubic yard limit or obtaining a permit for such removal.

10.28.09: Mr. Chernushek has indicated he has made arrangements with DeSiato Sand & Gravel to remove 750 cubic yards of material. Staff is in the process of clarifying permit requirements.

W1445 - Chernushek - application for gravel removal from site

11.30.09: Packet of information representing submissions by Mr. Chernushek, Mr. DeSiato and myself is in this agenda packet as Mr. Chernushek's request for modification.

12.29.09: Preparation of required information for PZC special permit application is in progress. Tabling any action until the February 1, 2010 meeting is recommended.

1.12.10: 65 day extension of time received.

- 2.18.10: No new information has been received.
2.25.10: This application has been withdrawn.

Mansfield Auto Parts - Route 32

- 12.08.08: Inspection - no vehicles are within 25' of wetlands.
1.16.09: Inspection - no vehicles are within 25' of wetlands.
2.24.09: Inspection - no vehicles are within 25' of wetlands.
3.06.09: Inspection - no vehicles are within 25' of wetlands.
4.14.09: Inspection - no vehicles are within 25' of wetlands.
5.11.09: Inspection - no vehicles are within 25' of wetlands.
6.10.09: Inspection - no vehicles are within 25' of wetlands.
7.16.09: Inspection - no vehicles are within 25' of wetlands.
8.12.09: Inspection - no vehicles are within 25' of wetlands.
9.14.09: Inspection - no vehicles are within 25' of wetlands.
10.27.09: Inspection - no vehicles are within 25' of wetlands.
11.30.09: Inspection - no vehicles are within 25' of wetlands.
12.28.09: There are two cars that need to be moved. Mr. Bednarczyk indicates their payloader is down for repairs and the cars will be moved as soon as it is repaired.
1.27.10: No change - the payloader is apart with parts on order to complete repairs. It is of 1986 vintage and finding parts is a major proposition.
2.18.10: Same - they are in the process of rebuilding the engine on the payloader.

Memorandum:

February 25, 2010

To: Inland Wetland Agency
From: Grant Meitzler, Inland Wetland Agent
Re: W1447 - Town of Mansfield - IWA Regulations

draft reference: dated 1.21.2010

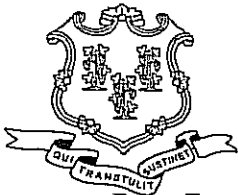
The regulations now match the format used by the Department of Environmental Protection's "Model Regulations". There is advantage in using this widely known format.

In making the revisions we have tried to reflect our current practice and requirements. A number of existing provisions, including requirements regarding regulated activities and upland review areas, have been incorporated and additional definitions and revised provisions regarding application requirements, decision considerations and agent delegations have been added.

The DEP has acknowledged receipt of these draft regulations in a letter dated February 17, 2010.

Dennis O'Brien, Town Attorney, has been directly involved in the preparation of these regulations and has previously commented. We are awaiting his comments on this latest draft.

A referral has also been made to the Town Council.



STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION



February 17, 2010

Ruby Favretti, Chairman
Mansfield Inland Wetland Agency
Audrey P. Beck Building
Four South Eagleville Road
Mansfield, CT 06268

Dear Commission,

The Connecticut Department of Environmental Protection is in receipt of the proposed Inland Wetlands and Watercourses Regulations of the town of Mansfield, attached to your letter dated January 21, 2010. The regulations were received on January 26, 2010.

Due to resource limitations, the department is focusing its work efforts on updating and enhancing our municipal training materials and tools and not conducting conformity reviews. The attached information is highly recommended to guide you in your regulation development process.

1. Inland Wetlands and Watercourses Act, Connecticut General Statutes sections 22a-36 through 22a-45,
2. Inland Wetlands and Watercourses Model Municipal Regulations, Fourth Edition May 1, 2006.

This material has been specifically prepared to be in conformance with the Inland Wetlands and Watercourses Act. The important issue of regulating activities outside of wetlands and watercourses is thoroughly discussed in our publication titled "Guidelines, Upland Review Area Regulations, Connecticut's Inland Wetlands & Watercourses Act, June 1997". This publication can be found in appendix C of the model regulations noted in item number 2. This guidance document explains the administrative and scientific rationale for regulating such activities and provides specific examples of definitions of regulated activity which incorporate the upland or buffer area. The document also sets forth a detailed explanation regarding the reasonableness of the department's recommended 100 foot upland review area for municipal inland wetlands agencies.

In order to ensure that your proposed regulatory scheme is within the confines of the Act and accomplishes your objectives, we strongly suggest consultation with your town attorney. While the department will not be providing a separate review of your regulations, staff of the Wetlands Management Section is available to answer your questions you may have regarding your regulations. Please feel free to contact Mr. Steven F. Tessitore at (860) 424-3019.

Lastly, please provide this office with a copy of your final regulations as adopted by the commission pursuant to section 22a-42a(b) no later than ten days after such adoption.

Sincerely,

Steven F. Tessitore
Supervising Environmental Analyst
Inland Water Resources Division

(Printed on Recycled Paper)

79 Elm Street • Hartford, CT 06106-5127

www.ct.gov/dep

An Equal Opportunity Employer

SFT:DLW:pr
Enclosures

Inland Wetland Agency
Town of Mansfield
4 South Eagleville Road
Storrs, Conn. 06268

February 24, 2010

I hereby withdraw my application for removal of 750 cubic yards of gravel from 473 Middle Turnpike.

It is my intention to resubmit this application at a later date.

Henry M. Chernushek

A handwritten signature in cursive script, reading "Henry M. Chernushek". The signature is written in dark ink and is positioned below the typed name.

PAGE
BREAK

Memorandum:

February 25, 2010

To: Inland Wetland Agency
From: Grant Meitzler, Inland Wetland Agent
Re: New Business for the March 1, 2010 meeting

Administrative Ruling:

W1449 - Juniper Hill - Low Impact Design Grant Application

	yes	no
	-----	-----
fee paid	n.a.	
certified receipts	n.a.	
map dated	2.25.2010 (preliminary sketch map)	
letter dated	2.23.2010 fr GHA Assoc.	
	2.23.2010 fr Juniper Hill Village	
Green Retrofit Report	undated, no. 91669.09R-001.273	

This comes as a request to proceed under Section 3 of the wetlands regulations, after some discussion with wetlands agent, Town Planner, and the applicant's agents.

The work proposed will be covered by a grant for Low Impact Development through HUD. The work will repair specific areas where there are ponding problems, general concerns, and collapsed storm drainage. The work will involve improved runoff quality through "Green" features added throughout as appropriate. A small concept plan has been submitted showing locations of work, and detailed plans are in preparation. Based on the discussions mentioned, staff recommends tentative approval under Sections 3.3 D, 3.4 A, and 3.4 B with the condition that the detailed plans in preparation for this grant be submitted for subsequent review before work is started.

The Juniper Hill plans were approved shortly before the 150' regulated area was added to our wetlands regulations. There was no work directly in wetlands so apparently no wetlands permit for this project was required. Based on the Nursing Home wetlands application mapping it appears that a 50' to 75' strip along the woods at the rear of the Juniper Hill site is within the 150' regulated areas. I have also walked the site with the applicant's representatives along the edge of the developed Juniper Hill site, with specific attention paid to existing outlet locations.

No work is in wetlands - all the work within 150' of wetlands is to improve conditions and increase water quality.

I have gone through Section 3 of the wetlands regulations and make the following choices:

1. Section 3.3 D. - Uses incidental to the enjoyment and maintenance of residential property, such property defined as equal to or smaller than the largest minimum residential lot size permitted anywhere in Town. Such incidental uses shall include maintenance of

existing structures and landscaping, but shall not include removal or deposition of significant amounts of material from or into a wetland or watercourse, or diversion or alteration of a watercourse.

This work meets the requirements in all but the overall size of the improvements proposed.

2. Section 3.4 A. Conservation of soil, vegetation, water, fish, shellfish, and wildlife; and
Section 3.4 B. Outdoor recreation including play and sporting areas, golf courses, field trials, nature study, environmental education, hiking, horseback riding, swimming, skin diving, camping, boating, water skiing, trapping, hunting, fishing, and shell fishing where otherwise legally permitted and regulated.
3. Section 3.6 - Where question exists of a regulated activity under the requirements of Section 3, any person may apply to the Agency for a determination. The Agency shall be guided in making any such determination by the requirements of Section 4 of these regulations.

This work will only improve wetland conditions. The work in detail appears very minor, and meaningful improvements should result in improved water quality, and safety for residents.



February 23, 2010

Mansfield Inland Wetland Agency
Audrey P. Beck Municipal Building
4 South Eagleville Road
Storrs-Mansfield, Ct 06268

Regarding: Mansfield Retirement Community, Inc. Juniper Hill Village

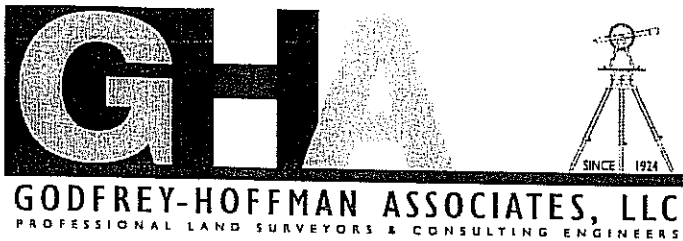
Dear Chairperson:

The purpose of this correspondence is to inform you about the proposed site and stormwater management system upgrades to be performed at the property located at 1 Silo Circle in Mansfield, Connecticut. The Mansfield Retirement Community, Inc., Juniper Hill Village, hereafter referred to as The Applicant, would like to receive an administrative approval to perform the proposed site work which will be described below.

On February 18, 2010 the applicant and I attended a preliminary meeting with the Town of Mansfield Director of Planning, Gregory Padick, and The Town of Mansfield Inland Wetland Agent, Grant Meitzler to discuss the proposed project. At the meeting it was recommended by Mr. Padick that the project be reviewed by the Inland Wetland Agency due to the presence of inland wetlands on the property.

The proposed site upgrades consist of retrofitting the existing stormwater management system to achieve a "green" system using the concepts of Low Impact Design (LID). The stormwater management system upgrades will include retrofitting existing structures, modifying the stormwater conveyance systems and adding protections to the outlet points of the systems. The project will also include repaving of the existing parking lots. There will be no increase in impervious surfaces as a result of the work.

The retrofits to the stormwater management system consist of installing hoods to the outlet pipes within the catch basins which are to remain. The stormwater management conveyance system upgrades will include the introduction of grassed swales, replacing crushed and/or undersized pipes and re-setting inlets which are not functioning properly. The various outlet points will be protected by a combination of new sediment forebays, plunge pools, riprap energy dissipation areas and level spreaders. These features will act to both reduce the sediment loads within the runoff and to reduce the erosive velocity of the runoff. The outlet points are the only proposed areas of work which will be in the vicinity of the upland review areas. It is the goal of the Applicant to NOT encroach closer to the wetland with any of the proposed upgrades to the system.



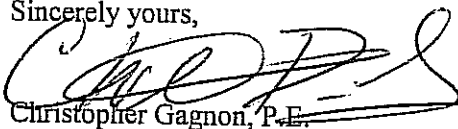
To properly implement the LID aspects of the stormwater management system upgrades the paved parking areas will need to be modified in some places. For example, a common LID element is to direct runoff, via sheet flow, directly from a paved area to a grass swale. To convert an area of the existing parking lot where the runoff is collected via a conventional curb and gutter system, the curb will need to be removed and the parking lot regarded to achieve the desired LID upgrade.

There are various areas within the paved parking lot which experience localized flooding during storms and times of snow melt. This creates a safety hazard to the elderly residents of the property. The intent of the regarding and repaving operation is to eliminate these problem areas.

While the final design of the upgrades has not been completed yet the intended design process is as follows. The applicant will perform detailed surveys of the problem areas to help analyze each individual area. The survey will be used to develop a proposed design to alleviate the various problems. These design drawing will be used for two purposes. They will be reviewed by Town Professionals for zoning permit and building permit purposes and they will be provided to potential contractors to solicit a quote to perform the proposed work.

As stated above, the intent of the proposed work is to create a stormwater management system which will convey stormwater in the cleanest possible way to the outlet points. The upgrades will not increase the impervious footprint of the property while improving the safety of the site for residents and visitors. It is requested by the Applicant that the Town of Mansfield Inland Wetland Agency provide an administrative approval for the above described work.

Sincerely yours,



Christopher Gagnon, P.E.
Godfrey-Hoffman Associates, LLC



JUNIPER HILL VILLAGE

Mansfield Retirement Community, Inc.

One Silo Circle, Storrs, Connecticut 06268

TEL. (860) 429-9933

FAX (860) 429-6104

February 23, 2010

Greg Padick, Director of Planning
Planning and Zoning
4 South Eagleville Road
Storrs, CT 06268

Dear Mr. Padick:

Mansfield Retirement Community (MRC) has been selected by the Department of Housing and Urban Development (HUD) to participate in the Green Retrofit Program (GRP). This is a part of the Federal Stimulus Program that puts people to work, by investing in projects that benefit people, communities and the country, in general.

One of the important features of this program is to fast-track the money into the economy. Mansfield Retirement Community will be able to upgrade its facilities with up to 1.5 million dollars, if we can put together a package of replacements, upgrades and improvements, and **complete our bid documents in March**. A general contractor will be identified for an anticipated closing in April 2010. We will then be required to complete all work within a 12 month time period.

The Town of Mansfield's timely help with the planning and permitting of this program is vital to our being approved by HUD, in order to participate in this great opportunity which will benefit so many.

Mansfield Retirement Community is a non-profit, community-based organization, which was formed and incorporated in the late 1970's. Its inception was promoted by requests from the Church Council of the Storrs Congregational Church. The Town of Mansfield was already looking into housing for its most vulnerable residents, and joined in the quest for housing of this type. Out of all this came Juniper Hill Village -100 units of subsidized housing for senior citizens and the disabled. Juniper Hill Village opened in January 1981, and was financed by a grant from HUD for \$3,275,000, including private funds of \$23,000 and in kind services from the Town of Mansfield and the University of Connecticut.



TRS: 1-800-842-9710



Elderly Housing Management, Inc.
2664-2 State Street
Hamden, CT 06517
(203) 248-6809

Bearing in mind the time above-mentioned time constraints, we thank you for giving this most important project for the residents of Mansfield your immediate attention.

Sincerely,

A handwritten signature in cursive script that reads "Ed Austin".

Edward A. Austin, President
Mansfield Retirement Community

Marlene E. Walsh, Administrator
Juniper Hill Village

cc: Grant Meitzler, Assistant Town Engineer
Department of Public Works

Mike Nintean, Director
Building Department

- The meters and regulators appeared to be in good condition, requiring routine maintenance. Based on the results of this assessment, no further actions appear to be required at this time.
- The property representative reported that the distribution system is in good condition and that no gas leaks had been reported. The system requires routine maintenance. Based on the results of this assessment, no further actions appear to be required at this time.

5.2. PARKING, PAVING, AND SIDEWALKS

Description: The property's main entrance drive is located on the northeastern side of the property from Silo Road. There is one additional entrance on the northeastern side of the property. The pavement surface within the parking areas, driving lanes, dumpster pads, driveways and service drives, is asphaltic concrete.

Parking is provided for approximately 100 cars, which is one space per apartment unit. All spaces are in open lots.

The sidewalks throughout the property are constructed of a combination of cast-in-place concrete and asphaltic concrete.

The curbs and gutters consist of extruded asphalt curbing placed at the edge of the pavement in most locations. On down-slope areas of the roads the pavement edges do not have curbing. Surface runoff is directed to swales and thereon to storm water inlets, landscaping or wooded areas that border the paved areas.

Green Physical Condition Discussions: For replacement or rehabilitation of sidewalks and other hardscape features such as footings, mat foundations, slab on grade, slabs on metal deck, cast in place and tilt up walls, drives and equipment pads, displace Portland cement in concrete mixes with at least 20 percent recycled content materials (fly ash or slag). This measure increases the durability and strength of the concrete, reduces greenhouse gas emissions associated with cement production, and helps keep fly ash out of landfills.

Increasing porous surfaces decreases runoff and protects the health of creeks, wetlands and other bodies of water. Reducing runoff improves soil health because it retains valuable topsoil on-site. Types of pervious or porous pavement include porous aggregate, porous turf, plastic geocells, open-jointed paving blocks, open-cell paving grids, porous concrete, granite or crushed rock, and soft porous surfacing such as bark or mulch.

Specify light color pigments or aggregates for any replacement or rehabilitation of sidewalks and other hardscape features. This measure reduces the building's cooling costs and minimizes the heat island effect by reducing the amount of heat retained by surrounding asphalt, concrete, and building structures. Adding colorants and pigments to mixes of concrete and asphalt does not generally increase costs. Changing aggregate colors is also relatively inexpensive.

Observations/Comments:

- The asphaltic concrete paving appeared to be in fair to poor condition with significant signs of alligator cracking, depressions and potholes or surface deterioration. As also discussed in Section 4.3, an exterior accessibility improvement contract has been approved by HUD will repair and seal coat the paved areas this year. In order to maximize the pavement life, pothole patching, crack sealing, seal coating and re-striping will be required during the evaluation period. The costs are included in the Attachment D - 20 Year Schedule. The green alternative (G1) is recommended.
- Based on the Estimated Useful Life and the observed conditions, an overlay of the pavement system is recommended during the reserve term. The cost for this work is included in the Attachment D - 20 Year Schedule. The green alternative (G1) is recommended.

- The concrete pavement appeared to be in good condition with no significant signs of cracking or surface deterioration. During the evaluation period, epoxy sealing of minor cracks is recommended as part of routine maintenance. Based on the results of this assessment, no further actions appear to be required at this time.
- The property will be subjected to only minor concrete repairs of flatwork during the life of the loan and no repairs are noted as immediate needs. High-volume fly-ash concrete mixes are widely available and typically cost the same as low-volume mixes. The recommendation is made to specify recycled concrete materials for flatwork repairs.
- The asphalt pedestrian sidewalks appeared to be in fair to poor condition. Depressions, raised sections and broken sections were observed. Trip fall hazards were reported by the Residents. As also discussed in Section 3.3, an exterior accessibility improvement contract has been approved by HUD will repair the pedestrian sidewalks this year. In order to maximize the pavement life, pothole patching and crack sealing will be required during the evaluation period. The costs are included in the Attachment D - 20 Year Schedule. The green alternative (G1) is recommended.

5.3. DRAINAGE SYSTEMS AND EROSION CONTROL

Description: Site storm water from the roofs, lawns, and paved areas flows across the surface and into on-site inlets and catch basins with underground piping connected to the municipal storm drain system and to undeveloped areas which border the property.

Green Physical Condition Discussions: Increasing porous surfaces decreases runoff and protects the health of creeks, wetlands and other bodies of water. Reducing runoff improves soil health because it retains valuable topsoil on-site. EMG evaluated opportunities to increase storm water retention on site by replacing or rehabilitating parking lots, sidewalks, and other hardscape features with porous pavement. These measures reduce water runoff, helps filter and treat storm water, and protects the local ecosystem. Pervious paving surfaces can cost more than hard surfaces but can easily be incorporated into future onsite hard surface repairs and replacements.

Green Physical Condition Discussions: Retention ponds capture the diverted storm water runoff from streets and gutters. These ponds provide three primary services. First, they retain the runoff before releasing it into streams. They release the water at flow rates and frequencies similar to those that existed under natural conditions. The flood volume held in a retaining pond reduces the impact on downstream storm water systems. The second benefit of the retaining ponds is that they provide pollutant removal through settling and biological uptake. Ponds remove 30-80% of certain pollutants from water before it enters nearby streams. Common pollutants reduced are sediments, bacteria, greases, oils, metals, total suspended solids, phosphorous, nitrogen, and trash. Lastly, retention pond can be tapped as a source of water for landscape irrigation.

Observations/Comments:

- Evidence of storm water runoff from adjacent properties was not observed. Based on the results of this assessment, no further actions appear to be required at this time.
- The storm water system appeared to provide appropriate runoff however in isolated areas there is evidence of major ponding. A map in the Project Documentation section of the Appendix shows the isolated areas that are prone ponding. Based on the results of this assessment, an allowance is provided for installing storm drains to improve on-site storm water management. The costs are included in the Attachment D - 20 Year Schedule.
- The fire water pond at the north side of the property is overgrown with weeds and requires dredging and routine maintenance. The costs for the dredging are included in the Attachment D - 20 Year Schedule.

3.0 Low Impact Development Plan for Paving, Walkways and Drainage

SCOPE OF WORK: To design and implement a sustainable storm water management plan for the facility to control rainfall/storm water runoff from impermeable surfaces (roofs, sidewalks and asphalt) and to the indentify opportunities to pre-filter though natural means and replenish groundwater supplies. It is expected contractor will work with a civil engineer/design firm to identify areas of in greatest need of improvement, including but not limited to:

- Distribution: Connecting gutters and leaders from structures into, infiltration trenches, bio-swales, bio-retention cells, or existing or new drywells;
- Hardscape: Re-grade parking and walkways as need for runoff control, eliminate ponding, and where appropriate use permeable or recycled products (fly ash in concrete walks, reclaimed bituminous asphalt, etc.) ;
- Maximize the opportunity for direct sheet flow runoff into or across vegetated areas to help filter runoff and encourage groundwater recharge.

EQUIPMENT: n/a

QUANTITY: n/a

LOCATIONS: TBD

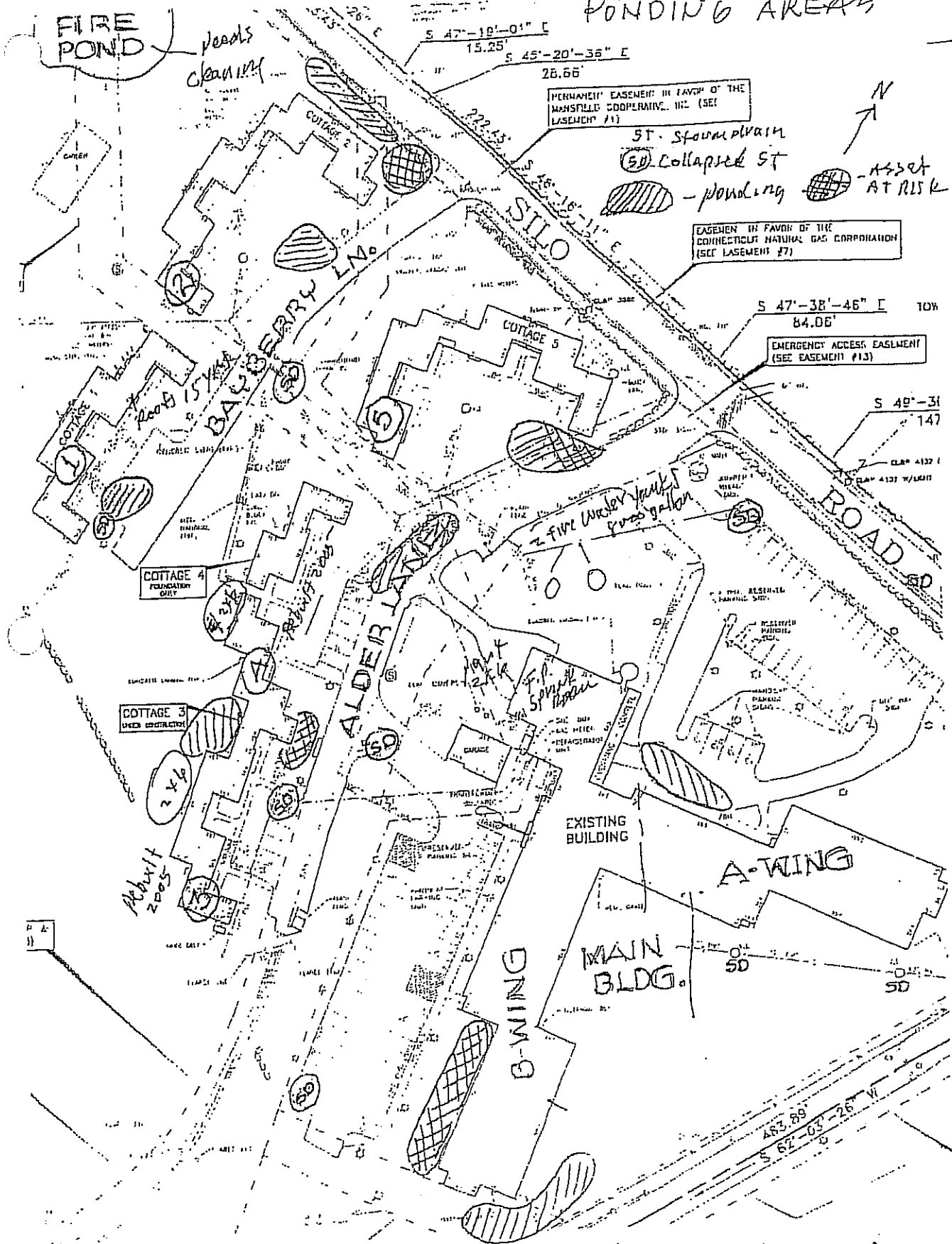
NOTES:

3.0 STORM WATER MANAGEMENT

JUNIPER HILL

2.25.10

PONDING AREAS



AREAS OF CONCERN

SPRING SD UNDER
11/14/07/08/09
PONDING

The 2010 Training Program

2010 Municipal Inland Wetland Commissioners Training Program

The Municipal Inland Wetland Commissioners Training Program is presented by the Connecticut Department of Environmental Protection (DEP) Wetlands Management Section. Pursuant to the General Statutes of Connecticut Section 22a-39, the DEP is charged with developing an annual comprehensive training program for inland wetlands agency members and staff. The annual program covers a broad range of legal, administrative and scientific subjects relevant to municipal inland wetlands regulation.

Who should attend?

The Municipal Inland Wetland Commissioners Training Program is intended for Connecticut's 170 municipal inland wetlands agencies. The training program is organized into three segments in order to meet the varying needs and diverse backgrounds of agency members and staff. The three segments are designed as follows:

- ▲ Segment 1 is tailored for new agency members and staff.
- ▲ Segment 2 is recommended for all agency members and staff.
- ▲ Segment 3 is designed for agency staff (wetland agents) and experienced agency members.

Is pre-registration required?

Due to limited enrollment, participants must pre-register. Registration is on a first-come, first-served basis with priority being given to inland wetlands agency members and staff. Registrants will receive confirmation and directions online or in the mail.

What happens if a program segment is cancelled or rescheduled?

The DEP reserves the right to cancel or reschedule the training program. Registrants will be notified at the earliest possible time and offered a different date/location. If the participant is unable to switch to a different date/location any paid registration fees will be refunded in full.

Can a refund be made if a participant needs to cancel?

Registration fees are refundable only if cancellation is received 48 hours prior to the start of the program. If cancellation is received with less than 48 hours notice the participant will be charged the full program fee. This applies to voucher registrants as well. Please call the UConn student services office at 877-892-6264 or 860-486-4905.

Are program registration fees waived for any reason?

CT General Statute Section 22a-42(d) provides that the DEP waive program registration fees for one person from each town. A voucher for Segments 1 and 2 of the 2010 Municipal Inland Wetland Commissioners Training Program has been sent to each town's inland wetlands agency with instructions on its use. To receive complimentary registration, the designated representative must include the original DEP voucher with the mailed registration form or use the voucher code with online registration. Participants that register for a Segment using the voucher and fail to attend, or fail to cancel at least 48 hours prior to the start of the program, will be charged the full program fee.

Which segment meets the agent training requirement pursuant to CT General Statute Section 22a-42a(c)(2)?

The Statute requires duly authorized wetland agents to complete the DEP's comprehensive training program before the above authority can be delegated to them by their inland wetlands agency. Agents who have completed all segments of a DEP Municipal Inland Wetland Commissioners Training Program offered annually since 1995 meet this requirement. Other agents must complete all segments of the 2010 or future annual training program to meet this requirement.



State of Connecticut
Department of Environmental Protection
79 Elm Street, Hartford CT 06106-5127
Amy Marrella, Commissioner
www.ct.gov/dep

Visit us online at
continuingstudies.uconn.edu

University of
Connecticut
Center for Continuing Studies

Workshop Descriptions

March/April 2010 - Segment 1

Connecticut's Inland Wetlands and Watercourses Act: *A Primer for New Inland Wetlands Agency Members and Staff*

Segment 1 is designed for new agency members and staff. Participants will learn the fundamentals of the Connecticut Inland Wetlands and Watercourses Act. The segment will also include a presentation on wetland soils, a lesson on site plan review and map reading, and a brief summary of the functions and values of wetlands and watercourses, with a focus on fisheries habitat and stream crossings.

May/June 2010 - Segment 2

Connecticut's Inland Wetlands and Watercourses Act: *A Legal, Administrative, and Resource Management Update*

Segment 2 is recommended for all agency members and staff. The workshop will begin with DEP representatives providing a synopsis of the 2010 legislative session, including any amendments to the Inland Wetlands and Watercourses Act. The program will continue with representatives from the Office of the Attorney General presenting an examination of recent court cases. A number of issues associated with these cases will be discussed including, but not limited to, the conditioning of permits, the factors for consideration when regulating activities outside of wetlands and watercourses, and enforcement of permitted operations and uses as related to agriculture. The Office of the Attorney General will conclude the first half of the workshop with an open question and answer session.

The second half of Segment 2 will focus on two wetland related topics - the application of pesticides and endangered species. The DEP Pesticides and Endangered Species Management Program will provide a discussion of Connecticut pesticides law, the DEP pesticide permitting process, and the role of municipal inland wetlands commissions in such process. The DEP Wildlife Division will provide an overview of laws governing endangered species in Connecticut, a look at wetland related endangered species, and a discussion of the Connecticut Natural Diversity Database. Segment 2 will conclude with updates from the DEP Wetlands Management Section.

October 2010 - Segment 3

Program information available in September

Segment 3 is designed for municipal inland wetlands staff and experienced agency members. The first part of the workshop will be conducted in the classroom and will consist of presentations and discussions on the chosen subject. The second part of the workshop will take place in the field. Brochure and online registration for this segment will be available in September.

IMPORTANT CHANGES:

1. Voucher registrants that fail to attend a Segment or fail to cancel at least 48 hours prior to the program will be charged the full program fee of \$60.00 per segment.
2. Please provide all requested information on the registration form. Incomplete registrations will be delayed and the program may be filled to capacity before processing can be completed.

Registration Form

Wetlands

Please copy this registration form for additional registrants.

Online registration:

Have credit card information ready.
Visit: MasterCard, Discover, Diners International,
<http://continuingstudies.uconn.edu/professional/wetlands.html>

Mail:

Enclose completed form & DEP voucher, check or P.O.:
University of Connecticut, Student Services Office,
One Bishop Circle, Unit 4056, Storrs, CT 06269-4056

Name _____
(Name as it will appear on your certificate, if applicable.)

Phone: Day (____) _____

Evening (____) _____

Preferred Mailing Address: _____

Street _____

City _____ State _____ Zip _____

Email _____

Please list any special needs you may have.

The following required information must be provided for this registration form to be processed.

Check one of the following:

☐ I am a member of my municipal Inland Wetlands Agency for the Town/City of: _____

☐ I am a municipal employee hired/assigned to support the Inland Wetlands Agency for the Town/City of: _____

My title is: _____

☐ Other, please briefly explain (i.e.: Conservation commission member, concerned citizen, consultant, etc.) _____

Certificate Group # 3309

Segment 1, Term 1103

☐ Thursday, March 25th, Torrington, Hogan Lecture Hall, UConn Campus (5101) 9AM - 4PM

☐ Saturday, March 27th, Killingly, Northeastern Connecticut Council of Governments (5102) 9AM - 4PM

☐ Thursday, April 1st, Old Lyme, DEP Marine District Headquarters (5103) 9AM - 4PM

☐ Saturday, April 10th, Derby, DEP Kellogg Environmental Center (5104) 9AM - 4PM

Segment 2, Term 1105

☐ Wednesday, May 19th, Killingly, Northeastern Connecticut Council of Governments, 9:00 AM - 4:00 PM (5201)

☐ Saturday, May 22nd, Torrington, Hogan Lecture Hall, UConn Campus, 9:00 AM - 4:00 PM (5202)

☐ Tuesday, May 25th, and Thursday, May 27th, Hartford UConn Graduate Business Learning Center 6:30 PM - 9:30 PM (5203)

☐ Wednesday, June 2nd, New Canaan, Lapham Community Center, 9:00 AM - 4:00 PM (5204)

☐ Saturday, June 5th, Old Lyme, DEP Marine District Headquarters, 9:00 AM - 4:00 PM (5205)

Fee: \$60 per course section
(includes handouts and refreshments)

☐ DEP voucher # _____ enclosed.

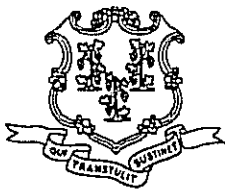
☐ Check enclosed made payable to UConn.

☐ PO# _____

Directions to segment locations are available online (<http://continuingstudies.uconn.edu/professional/dep/wetlands.html>).

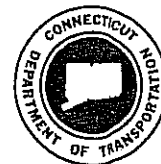


Printed on recycled stock.



STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION



2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546

Phone:

REC'D FEB 10

February 8, 2010

Mr. Matthew W. Hart
Town Manager
Town of Mansfield
Audrey P. Beck Municipal Building
4 South Eagleville Road
Mansfield, Connecticut 06268

Dear Mr. Hart:

Subject: State Project No. 172-394
Federal Aid Project No. TBD
Rehabilitation of Culvert Nos. 06688 and 06777
Towns of Mansfield and Franklin

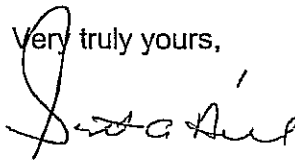
The Connecticut Department of Transportation's (Department) Office of Engineering is developing plans to rehabilitate Culvert No. 06688 conveying Eagleville Brook under SR 430 in the Town of Mansfield and Culvert No. 06777 conveying Beaver Brook under Route 207 in the Town of Franklin, as depicted on the enclosed location plans. The purpose of the project is to rehabilitate the existing culverts that have been identified to be in poor condition.

The present schedule indicates that the design will be completed in June 2011, with construction anticipated to start in spring 2012. This project will be undertaken with 80% Federal and 20% State funds.

Please advise us of any work that may be contemplated along this route by any municipally owned utilities. By completing such work prior to, or at the same time as the proposed construction, the traveling public can be better served upon completion of the project with a pavement that would not have to be disturbed for installations of this kind for many years.

It is the Department's policy to keep the public informed and involved when such projects are undertaken. It is important that the community share their concerns with us to assist in the project's development. Accordingly, the enclosed press release describing the proposed improvement is scheduled to be released shortly. If there is adequate interest, an informational meeting will be conducted. At this time, it is not anticipated that a formal public hearing will be necessary.

If you or any of your constituents have questions or wish to assist us in this project, please contact me at the letterhead address.

Very truly yours,


Scott A. Hill, P.E.
Manager of State Design
Bureau of Engineering and Construction

Enclosures

cc: Mr. Mark N. Paquette, Executive Director – Windham Region Council of Governments

NEWINGTON, CT – State Transportation Commissioner Joseph F. Marie announced today that the Connecticut Department of Transportation's Office of Engineering is developing plans to rehabilitate Culvert No. 06688 conveying Eagleville Brook under SR 430 in the Town of Mansfield and Culvert No. 06777 conveying Beaver Brook under Route 207 in the Town of Franklin.

"It is the Department's policy to keep the public informed and involved when such projects are undertaken," said Marie. "It is important that the community share its concerns with us to assist in the project's development." If there is adequate interest, an informational meeting will be conducted. At this time, it is not anticipated that a formal public hearing will be necessary.

The project involves lining the existing culverts with new pipes and repairing the existing concrete headwalls as required.

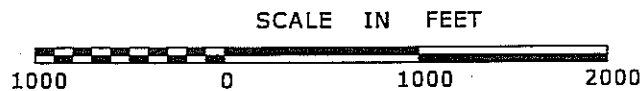
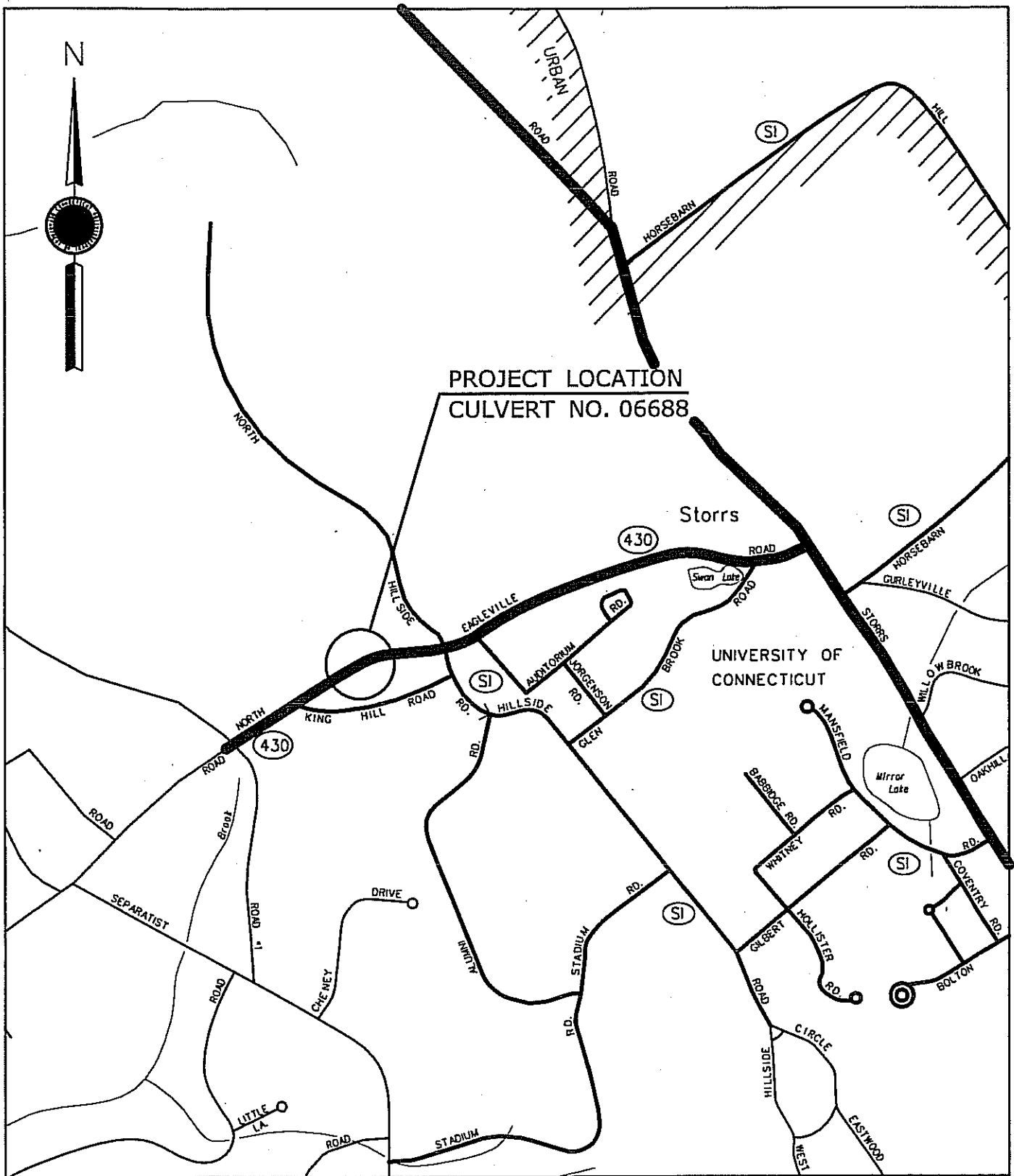
The present schedule indicates that the design will be completed in June 2011, with construction anticipated to start in spring 2012. Construction activities are anticipated to last approximately three weeks with minimal disruption to traffic. At this time, it is proposed that the project will be undertaken with 80% federal and 20% state funds.

Anyone interested in receiving information on this project may do so by contacting Mr. Scott A. Hill, Manager of State Design, at (860) 594-3272, or by e-mail at scott.hill@ct.gov. Please make reference to State Project No. 172-394.

News Releases were sent to the following:

**STATE PROJECT NO. 172-394
NEWS RELEASE DISTRIBUTION**

The Honorable Christopher J. Dodd – U.S. Senator
The Honorable Joseph I. Lieberman – U.S. Senator
The Honorable Joseph Courtney – U.S. Representative
The Honorable Edith G. Prague – State Senator – 19th District
The Honorable Donald E. Williams, Jr. – State Senator – 29th District
The Honorable Kevin Ryan – State Representative – 139th District
The Honorable Denise W. Merrill – State Representative – 54th District



STATE PROJECT NO.:

172-394

CITY/TOWN:

MANSFIELD



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

LOCATION PLAN



OFFICE OF
ENGINEERING



DATE:

AUGUST 2009

